



NTI E-MICRO-TRH ENVIROMUX Series Micro Environment Monitoring System Installation Guide

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NTI E-MICRO-TRH ENVIROMUX Series Micro Environment Monitoring System

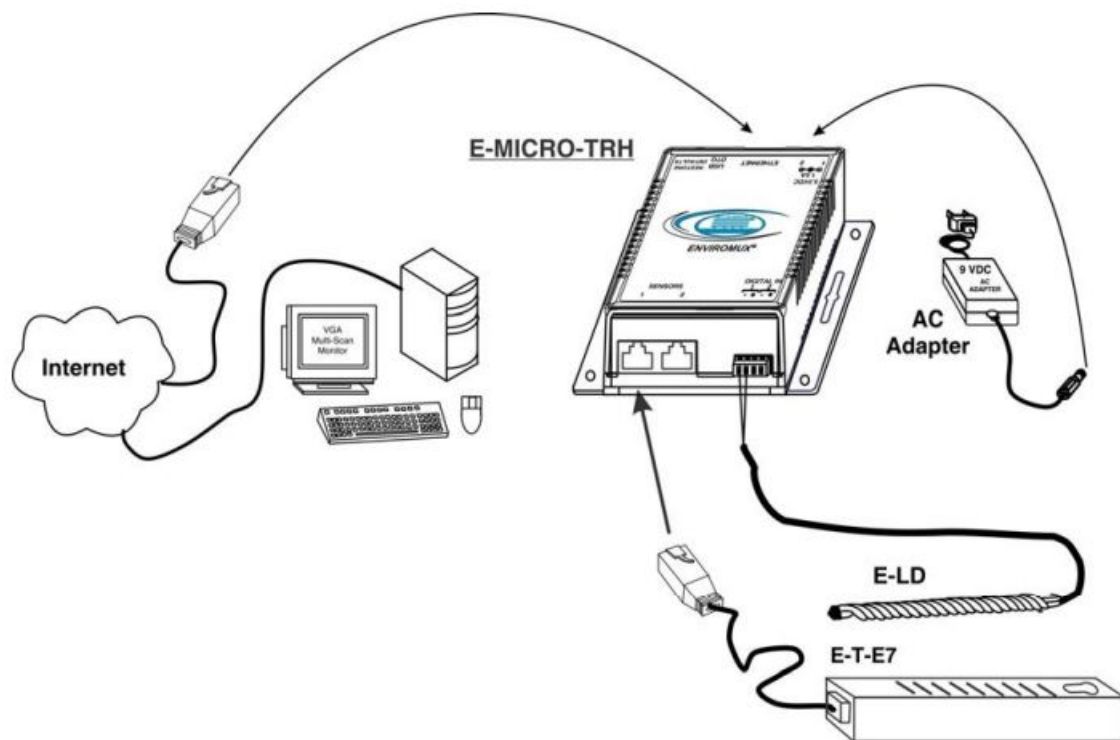


INTRODUCTION

The ENVIROMUX® Micro Server Environment Monitoring System (ENVIROMUX) monitors (from a remote location) critical environmental conditions, such as temperature, humidity, liquid water presence, power, intrusion, and smoke. When a sensor goes out of range of a configurable threshold, the system will notify you via email, web page, network management (SNMP), and/or SMS messages (via external USB 3G modem). The E-MICRO-TRHP features a built-in temperature/humidity sensor, two RJ45 sensor ports for external temperature sensors, two dry contact inputs for the connection of contact-closure sensors and built-in Power over Ethernet (PoE). (Without the PoE, the model is E-MICRO-TRH.)

Installation

- Mount the ENVIROMUX as desired. Mount the ENVIROMUX to the wall or within in a rack. Use hardware appropriate for your mounting method of choice.
- Connect each of the sensors (purchased separately) to the ENVIROMUX. Mount the sensors where they are needed.
 - Connect Temperature sensors to the RJ45 ports on the ENVIROMUX.
 - Connect contact sensors (i.e. E-GBS-P glass break sensor, E-SDS-PA smoke detection sensor, E-LD water detection sensor and others) to the terminal blocks labeled
 - "DIGITAL IN". Connect each two-wire contact sensor using 16-26 AWG wire.
- Connect the ENVIROMUX to the Ethernet for maximum remote system management using the "Ethernet" port and CAT5/5e/6 patch cable.
- Connect the AC adapter (required for the E-MICRO-TRH model only).



Setup

1. Use the Device Discovery Tool (<https://www.networktechinc.com/download/d-environment-monitor-micro.html>) to locate the ENVIROMUX on the network. Update the IP address, Mask, and Gateway as needed to connect to the local network. Click on Submit to update the ENVIROMUX.



2. Type the updated IP address into the browser address bar.
3. Log in to the web interface as the administrator- username = root password= nti (letters are case sensitive)
4. Configure Network and SMTP server settings (Administration->Network).
5. Set the date and time.
6. Configure SNMP settings.
7. Add users (Administration->Users->Add New User) and specify email address, contact methods, etc. as needed.
8. Temperature and Humidity sensors will be automatically detected. External contact sensors and sensors connected to "DIGITAL IN" must be added manually through the web interface before configuring them.
9. Configure sensors and alerts as desired for thresholds, alert notification methods, etc.

Note:

- By default, the E-MICRO has been assigned a static IP address of 192.168.1.24, so you may be able to proceed to step 2, entering this number.
- If you want to immediately change the IP address, mask and gateway settings, use the Device Discovery Tool as described above (and on page 12 of the manual).

- The computer using the Device Discovery Tool and the ENVIROMUX must be connected to the same subnet in order for the Device Discovery Tool to work.


Some Available Sensors (Sold separately)

Model	Description
E-T-E7	Temperature Sensor
E-TRHM-E7	Temperature/Humidity Sensor
E-LDx-y	Liquid Detection Sensor-Digital
E-SDS-PA	Smoke Detection Sensor
E-CMD-P	Carbon Monoxide Detector
E-M-DCS	Door Contact Sensor
E-IMD-P	Infrared Motion Sensor
E-GBS-P	Glass Break Sensor
E-EBS	Emergency/Panic Button
E-ACVDRLY-515/C14	AC Voltage Detector
E-TDS	Tamper Switch

CONTACT

- For a complete list of compatible sensors, go to <http://www.networktechinc.com/environment-monitor-micro.htm>
- For more details, specifications, and troubleshooting tips, see the Installation and Operation Manual or go to www.networktechinc.com

Documents / Resources

	<p>NTI E-MICRO-TRH ENVIROMUX Series Micro Environment Monitoring System [pdf] Installation Guide</p> <p>E-MICRO-TRH ENVIROMUX Series Micro Environment Monitoring System, E-MICRO-TRH, E NVIROMUX Series Micro Environment Monitoring System, ENVIROMUX Series, Monitoring System</p>
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References

- [NTI Network Technologies Inc Environment Monitoring HDMI Extender](#)
- [E-MICRO Micro Environment Firmware Download Notes](#)